

CLAIMS

1. A data broadcast reproduction controller for controlling the reproduction of data broadcast including one  
5 or more data contents, comprising:

a receiver that receives data content of data broadcast and related information attached to said data broadcast;

a first storage that stores the data content of the data broadcast received by said receiver;

10 a reproducer that reproduces the data content of the data broadcast stored in said first storage;

a control information creator that creates control information for identifying the data content of the data broadcast based on given information included in the data  
15 content of the data broadcast received by said receiver or reproduced by said reproducer and/or the related information;

a second storage that stores, during first reproduction by said reproducer, the data content of the data broadcast  
20 acquired from said first storage and control information corresponding to the data content;

a determiner that determines, during a second reproduction by said reproducer, whether or not the control information stored in said second storage and the control  
25 information corresponding to the data content of data

broadcast to be reproduced coincide with each other; and  
a controller that controls said reproducer to reproduce  
the data broadcast, using the data content stored in said  
second storage, when said determiner determines that the  
5 control information stored in said second storage and the  
control information corresponding to said data content of the  
data broadcast to be reproduced coincide with each other.

2. The data broadcast reproduction controller  
10 according to claim 1, wherein

said control information creator creates control  
information based on given information included in the data  
content of the data broadcast received by said receiver  
and/or the related information, to store said created control  
15 information to said first storage.

3. The data broadcast reproduction controller  
according to claim 2, wherein

said control information creator creates control  
20 information at the time of a change in at least some of the  
information of the data broadcast received by said receiver  
or at given update timing.

4. The data broadcast reproduction controller  
25 according to claim 2, wherein

5        said control information creator stores, during said first reproduction by said reproducer, the data content of the data broadcast acquired from said first storage and the control information corresponding to the data content into  
5        said second storage.

5.      The data broadcast reproduction controller according to claim 4, wherein

10        said control information creator stores, at the time of a change in at least some of the information of the data broadcast reproduced during said first reproduction by said reproducer, the data content of the data broadcast acquired from said first storage and the control information corresponding to the data content into said second storage.

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6.      The data broadcast reproduction controller according to claim 4, wherein

20        said determiner determines, during said second reproduction by said reproducer, whether or not the control information stored in said second storage and the control information stored in said first storage coincide with each other.

25        7.      The data broadcast reproduction controller according to claim 5, wherein

5        said determiner determines, during said second reproduction by said reproducer, whether or not the control information stored in said second storage and the control information stored in said first storage coincide with each other.

8. The data broadcast reproduction controller according to claim 1, wherein

10        said control information creator creates, during said first reproduction by said reproducer, control information based on given information included in the data content of the data broadcast acquired from said first storage and/or the related information, to store the created control information into said second storage.

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9. The data broadcast reproduction controller according to claim 8, wherein

20        said control information creator stores, at the time of a change in at least some of the information of the data broadcast reproduced during said first reproduction by said reproducer, the data content of the data broadcast acquired from said first storage and the control information corresponding to the data content into said second storage.

25        10. The data broadcast reproduction controller

according to claim 8, wherein

5        said control information creator creates, during said second reproduction by said reproducer, control information based on given information included in the data content of the data broadcast acquired from said first storage and/or the related information, and

10      said determiner determines, during said second reproduction by said reproducer, whether or not the control information stored in said second storage and the control information created by said control information creator coincide with each other.

11. The data broadcast reproduction controller according to claim 1, wherein

15      said second reproduction includes reproduction at a different speed from that of said first reproduction.

12. The data broadcast reproduction controller according to claim 1, wherein

20      said given information included in the data content of data broadcast and/or the related information includes content-reference information described in a data script.

25      13. A data broadcast reproduction controller for controlling the reproduction of data broadcast including one

or more data contents, comprising:

a receiver that receives data content of data broadcast and related information attached to said data broadcast;

5 a first storage that stores the data content of the data broadcast received by said receiver;

a reproducer that reproduces the data content of the data broadcast received by said receiver;

10 a control information creator that creates control information for identifying the data content of the data broadcast based on given information included in the data content of the data broadcast received by said receiver and/or the related information;

15 a second storage that stores, during first reception by said receiver, the data content of the data broadcast acquired from said first storage and the control information corresponding to the data content;

20 a determiner that determines, during second reception by said receiver, whether or not the control information stored in said second storage and the control information corresponding to the data content of the data broadcast received by said receiver coincide with each other; and

25 a controller that controls said reproducer to reproduce data broadcast, using the data content stored in said second storage, when said determiner determines that the control information stored in said second storage and the control

information corresponding to the data content of the data broadcast received by said receiver coincide with each other.

14. The data broadcast reproduction controller  
5 according to claim 13, wherein  
said control information creator creates control information at the time of a change in at least some of the information of the data broadcast received by said receiver during said first reception by said receiver.

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15. The data broadcast reproduction controller according to claim 13, wherein  
said first reception takes place before a receiving channel is changed, and said second reception takes place  
15 after the receiving channel is changed.

16. The data broadcast reproduction controller according to claim 13, wherein  
said given information included in the data content of  
20 data broadcast and/or the related information includes content-reference information described in a data script.

17. A method for controlling the reproduction of data broadcast including one or more data contents, comprising the  
25 steps of:

receiving data content of data broadcast and related information attached to said data broadcast;

storing the data content of said received data broadcast into a first storage;

5 reproducing the data content of the data broadcast stored in said first storage;

creating control information for identifying the data content of the data broadcast based on given information included in the data content of said received or reproduced  
10 data broadcast and/or the related information;

storing, during first reproduction, the data content of the data broadcast acquired from said first storage and the control information corresponding to the data content into a second storage;

15 determining, during second reproduction, whether or not the control information stored in said second storage and the control information corresponding to the data content of data broadcast to be reproduced coincide with each other; and

controlling the reproduction such that the data  
20 broadcast is reproduced, using the data content stored in said second storage, when it is determined that the control information stored in said second storage and the control information corresponding to the data content of said data broadcast to be reproduced coincide with each other.

18. A method for controlling the reproduction of data broadcast including one or more data contents, comprising the steps of:

receiving data content of data broadcast and related  
5 information attached to said data broadcast;

storing the data content of said received data broadcast  
into a first storage;

reproducing the data content of said received data  
broadcast;

10 creating control information for identifying the data  
content of the data broadcast based on given information  
included in the data content of said received data broadcast  
and/or the related information;

15 storing, during first reception, the data content of  
the data broadcast acquired from said first storage and the  
control information corresponding to the data content into  
a second storage;

20 determining, during second reception, whether or not  
the control information stored in said second storage and the  
control information corresponding to the data content of said  
received data broadcast coincide with each other; and

25 controlling the reproduction such that the data  
broadcast is reproduced, using the data content stored in  
said second storage, when it is determined that the control  
information stored in said second storage and the control

information corresponding to the data content of said received data broadcast coincide with each other.

19. A data broadcast reproduction control program which  
5 is executable by a computer and controls the reproduction of data broadcast including one or more data contents,  
said data broadcast reproduction control program allowing said computer to execute the processes of:  
receiving data content of data broadcast and related  
10 information attached to said data broadcast;  
storing the data content of said received data broadcast into a first storage;  
reproducing the data content of the data broadcast stored in said first storage;  
15 creating control information for identifying the data content of the data broadcast based on given information included in the data content of said received or reproduced data broadcast and/or the related information;  
storing, during first reproduction, the data content  
20 of the data broadcast acquired from said first storage and the control information corresponding to the data content into a second storage;  
determining, during second reproduction, whether or not the control information stored in said second storage and the  
25 control information corresponding to the data content of data

broadcast to be reproduced coincide with each other; and  
controlling the reproduction such that the data  
broadcast is reproduced, using the data content stored in  
said second storage, when it is determined that the control  
5 information stored in said second storage and the control  
information corresponding to the data content of said data  
broadcast to be reproduced coincide with each other.

20. A data broadcast reproduction control program which  
10 is executable by a computer and controls the reproduction of  
data broadcast including one or more data contents,  
said data broadcast reproduction control program  
allowing said computer to execute the processes of:  
receiving data content of data broadcast and related  
15 information attached to said data broadcast;  
storing the data content of said received data broadcast  
into a first storage;  
reproducing the data content of said received data  
broadcast;  
20 creating control information for identifying the data  
content of the data broadcast based on given information  
included in the data content of said received data broadcast  
and/or the related information;  
storing, during first reception, the data content of  
25 the data broadcast acquired from said first storage and the

control information corresponding to the data content into a second storage;

5 determining, during second reception, whether or not the control information stored in said second storage and the control information corresponding to the data content of said received data broadcast coincide with each other; and

10 controlling the reproduction such that the data broadcast is reproduced, using the data content stored in said second storage, when it is determined that the control information stored in said second storage and the control information corresponding to the data content of said received data broadcast coincide with each other.

21. A computer-readable recording medium in which a data broadcast reproduction control program for controlling the reproduction of data broadcast including one or more data contents is recorded,

15 said data broadcast reproduction control program allowing said computer to execute the processes of:

20 receiving data content of data broadcast and related information attached to said data broadcast;

storing the data content of said received data broadcast into a first storage;

25 reproducing the data content of the data broadcast stored in said first storage;

creating control information for identifying the data content of the data broadcast based on given information included in the data content of said received or reproduced data broadcast and/or the related information;

5       storing, during first reproduction, the data content of the data broadcast acquired from said first storage and the control information corresponding to the data content into a second storage;

10      determining, during second reproduction, whether or not the control information stored in said second storage and the control information corresponding to the data content of data broadcast to be reproduced coincide with each other; and

15      controlling the reproduction such that the data broadcast is reproduced, using the data content stored in said second storage, when it is determined that the control information stored in said second storage and the control information corresponding to the data content of said data broadcast to be reproduced coincide with each other.

20      22. A computer-readable recording medium in which a data broadcast reproduction control program for controlling the reproduction of data broadcast including one or more data contents is recorded,

25      said data broadcast reproduction control program allowing said computer to execute the processes of:

receiving data content of data broadcast and related information attached to said data broadcast;

storing the data content of said received data broadcast into a first storage;

5 reproducing the data content of said received data broadcast;

creating control information for identifying the data content of the data broadcast based on given information included in the data content of said received data broadcast  
10 and/or the related information;

storing, during first reception, the data content of the data broadcast acquired from said first storage and the control information corresponding to the data content into a second storage;

15 determining, during second reception, whether or not the control information stored in said second storage and the control information corresponding to the data content of said received data broadcast coincide with each other; and

controlling the reproduction such that the data  
20 broadcast is reproduced, using the data content stored in said second storage, when it is determined that the control information stored in said second storage and the control information corresponding to the data content of said received data broadcast coincide with each other.